Emerge® DA1200D
1 X 2 DVI Distribution Amplifier

Installer/User Guide

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1 INTRODUCTION

Thanks for purchasing the DA1200D HDCP compliant DVI distribution amplifier from Avocent. The DA1200D amplifier is designed to allow the distribution of a single DVI HDCP compliant input to two DVI HDCP compliant devices.

1.1 Features

The following is brief overview the DA1200D amplifier feature set:

- One DVI HDCP-compliant signal can be distributed to two compliant display devices.
- Support for HDCP
- Support for computer resolutions up to 1920x1200 and HDTV resolutions up to 720p, 1080i HDTV
- Allows for cascaded DA1200D amplifiers

2 SPECIFICATIONS

Performance	
HDTV Resolutions Supported	480i, 480p, 720p, 1080i
Maximum Display Refresh Rate Supported	165MHz (UXGA)
Maximum Resolution	1920x1200@60Hz
Maximum Cable Distance (Outputs)	32 feet (10M) Using Premium Cable
I/O Connectors	
DVI Destination Port Connectors	2x DVI-I 29 pin female
Input Port Connector	1x DVI-I 29 pin female
Mechanical	
Dimension (H-W-D) (1x2 version)	1.65”x6.0”x3.0” (42x153x75mm)
Weight (1x2 version)	1.0 Pounds (475g)
Dimension (H-W-D) (1x4 version)	1.65”x8.75”x3.9” (42x269x104mm)
Weight (1x4 version)	2.1 pounds (975g)
Warranty	
Limited Warranty	2 Years Parts and Labor
Environmental	
Operating Temperature	0° to 40° C (+32° to +104° F)
Operating Humidity	10% to 85% Non-condensing
Storage Temperature	-20° to +60° C (+20° to +140° F)
Storage Humidity	10% to 85% Non-condensing
Power Requirements	
External Power Supply	12VDC@1.0A
Regulatory Approvals	
Switcher Unit	FCC, CE
Power Supplies	UL, CE, CSA
Accessories Included	
1x AC Power Adapter	US, UK or Euro Type
1x Operations Manual	

3 CHECKING PACKAGE CONTENTS

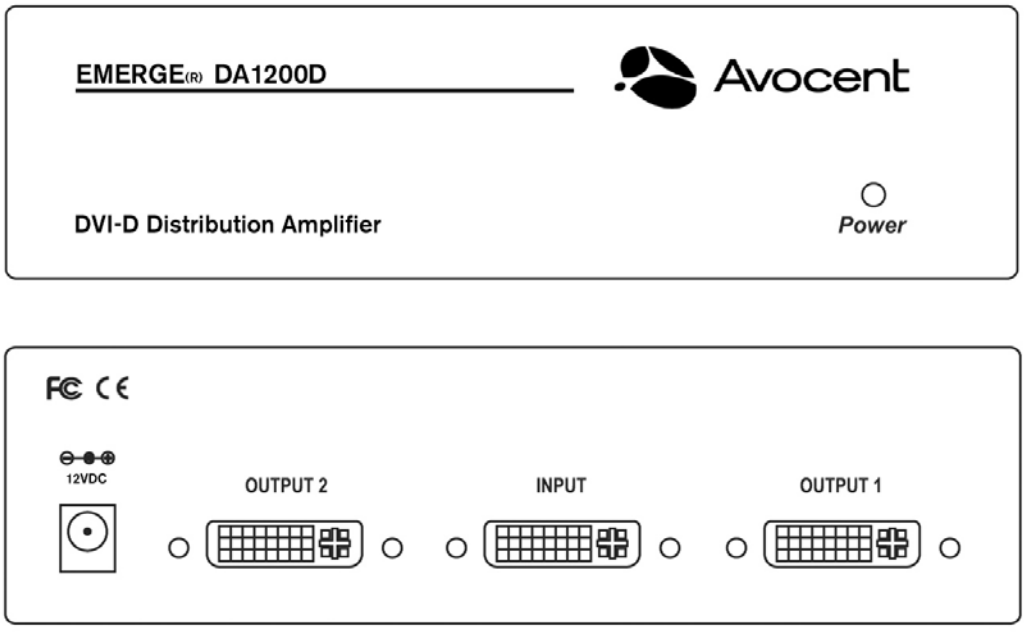
Before attempting to use this unit, please check the packaging and make certain the following items are contained in the shipping carton:

- 1x DA1200D DVI Distribution Amplifier
- 1x AC Adapter
- 1x Operations Manual

Note: Please retain the original packing material should the need ever arise to return the unit. If you find any items are missing, contact your reseller or Avocent technical support immediately. Have the model number and serial number available for reference when you call.

4 CONNECTING THE HARDWARE

Please study the panel drawings below and become familiar with the signal input, outputs and power requirements.



DA1200D 1x2 DVI Distribution Amplifier

5 OPERATING THE UNIT

Before installation, please make sure all of devices have been turned off.

- Connect a DVI-D HDCP compliant signal to the input connector using premium quality cable. *
- Connect 2 DVI-D HDCP compliant devices to the amplifier's outputs using premium quality cable. **
- Plug the DC power adapter into the rear of the unit.
- Plug the power adapter into a working AC socket.
- Power on all input and output devices.
- The input signal should now be available to all devices connected to the device outputs.

** Note: This product is not compatible with HDMI signaling. Thus, you should not attempt to use HDMI source or display devices with this product.*

*** Note: A HDCP compliant monitor or other HDCP compliant device must be connected to output number 1 for the other outputs of the DA to function properly. Once connected, this output cannot be disconnected without adversely affecting the other outputs. The reason for this requirement has to do with the copy protection scheme used in HDCP devices and the DDC layer used to identify the characteristics of the connected devices. Also, because of the DDC layer, the resolution capability of the device on output number 1 is the defining factor for the resolution of all other outputs. For this reason, if you intend to feed monitors or projectors with the product's outputs and the resolution capability of the devices vary, make certain you connect a device with resolution capability compatible with all monitors or projectors to output number 1.*

6 TROUBLESHOOTING

If the Distribution Amplifier does not appear to be functioning, make certain that the DVI source and all of the devices connected to the unit are functioning correctly by connecting each DVI device currently connected to the amplifier's outputs directly to the DVI source using a cable with a length of 6 feet or less. (In other words, bypass the amplifier to make certain that the problem is not with the source or destination devices.) If the signal is present under those conditions, make certain that the power is present to the DA. If it is, measure the cable length you are attempting to use between the sources to the switcher and the switcher to the monitor. The input cables should be 6 feet or less in length and the output cables must be less than 33 feet long and all cables should be premium quality. Lastly, inspect the cables and connectors for damage.

Note: If some devices connected to the DA outputs work but others do not, make certain that the devices that do not appear to work are HDCP compliant. A non-HDCP compliant device will not work with a signal that has HDCP encoding present.

After trying the above suggestions should the problem still persist, contact your dealer for additional suggestions before contacting Avocent. Should the dealer's technical personnel be unable to assist you, contact Avocent via our support website: *http://www.avocent.com/support.* Create a technical support request on the site and our support team will respond within a short period of time.

7 REGULATORY COMPLIANCE

European 'CE' Mark Statement
Emissions: EN 55022:1998+A1:2000+A2:2003 (Information technology equipment. Radio disturbance characteristics. Limits and methods of measurement)
EN 61000-3-2:2000+A1:2001+A2:2005 (Limits for Harmonic Currents Emissions)
EN 61000-3-3:2000+A1:2001+A2:2005 (Limitation of voltage fluctuations and flicker in low-voltage supply systems)
Immunity: EN55024:1998+A1:2001+A2:2003 (Information technology equipment. Immunity characteristics. Limits and methods of measurement)

FCC Statement
Class A Device: This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide a reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the Instruction Manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Caution: This equipment is intended for use in the manner prescribed in the Instruction Manual. Any user changes or modifications not expressly approved by Avocent Corporation could void the user's authority to operate the equipment. Connecting this equipment to external devices requires no specially shielded cabling for FCC compliance. The Instruction Manual shows or describes the proper connection of this equipment for operation that insures FCC compliance.

Direct all inquiries regarding FCC compliance to:

Avocent Corporation
4991 Corporate Dr.
Huntsville, AL 35805

8 CONTACT INFORMATION

Should you have questions or require assistance with this product in areas not covered by this manual, please contact Avocent at www.avocent.com/support.

Where AV and IT Meet

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